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SELECTED RECENT ACQUISITIONS

January - March 2015

The resources reported in this issue are listed by main subject area and then alphabetically by title. Each item is listed only once, so please check related subjects for additional materials that may be of interest. If you would like to see any of these items and there is no link to an online version, please contact the Research Library at library@dot.state.nj.us (Library, DOT) or call 609-530-5289 for these or any other publications.

Administration and Management

2014 Annual Report of Progress /

Airport Cooperative Research Program -- Washington, DC : Transportation Research Board, 2014 (Airport Cooperative Research Program), 60 pp.

Alliance Contracting - Evolving Alternative Project Delivery /

Douglas D. Gransburg, Eric Sheepbouwer, and Michael C. Loulakis -- Washington, DC : Transportation Research Board, 2015 (NCHRP Synthesis 466), 72 pp. <http://www.trb.org/Main/Blurbs/172113.aspx>

Beyond Traffic: Trends and Choices 2045 /

U.S. Department of Transportation, Office of the Secretary -- Washington, DC : USDOT, 2014, 322 pp. http://www.dot.gov/sites/dot.gov/files/docs/Draft_Beyond_Traffic_Framework.pdf

FY 2013-2022 Statewide Capital Investment Strategy /

New Jersey Department of Transportation -- Trenton, NJ : NJDOT, 2012-03, 31 pp. <http://www.state.nj.us/transportation/capital/cis/pdf/scis1322.pdf>

How We Pay for Transportation: The Life and Death of the Highway Trust Fund /

ENO Center for Transportation -- [Washington, DC] : ENO ; [New York] : The Rockefeller Foundation, 2014-12, 60 pp. <https://enotrans.r.worldssl.net/wp-content/uploads/wpsc/downloadables/Highway-Trust-Fund2.pdf>

Impacts of Energy Developments on U.S. Roads and Bridges /

Leslie Ann McCarthy et al. -- Washington, DC : Transportation Research Board, 2015 (NCHRP Synthesis 469), 96 pp. <http://www.trb.org/Main/Blurbs/172084.aspx>

Management Guide to Intellectual Property for State Departments of Transportation /

Joe Bradley et al. -- Washington, DC : Transportation Research Board, 2015 (NCHRP Report 799), 139 pp. <http://www.trb.org/Publications/Blurbs/172260.aspx>

New Jersey Statewide Transportation Improvement Program: Fiscal Years 2014-2023 /

New Jersey Department of Transportation -- Trenton, NJ : NJDOT, 2013-10, 572 pp.

<http://www.state.nj.us/transportation/capital/stip1423/pdf/stip.pdf>

Practices for Developing Transparent Best Value Selection Procedures /

Keith R. Molenaar and Daniel Tran -- Washington, DC : Transportation Research Board, 2015 (NCHRP

Synthesis 471), 67 pp. <http://www.trb.org/Main/Blurbs/172228.aspx>

Revenue, Finance, Pricing, and Economics /

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No.

2450), 178 pp.

The Role of Planning in a 21st Century State Department of Transportation - Supporting Strategic Decisionmaking /

Janet D'Ignazio, Suzann Rhodes, and Craig Secrest -- Washington, DC : Transportation Research Board,

2015 (NCHRP Report 798), 109 pp. <http://www.trb.org/Publications/Blurbs/172210.aspx>

Successful Practices in GIS-Based Asset Management /

Spy Pond Partners, LLC, Transcend Spatial Solutions, LLC, and James P. Hull -- Washington, DC :

Transportation Research Board, 2015 (NCHRP Report 800), various pagings

<http://www.trb.org/Publications/Blurbs/172204.aspx>

Title VI Agency Policy Examination and Best Practices Review /

Christopher Titze and Whitney Faron -- New York : Cambridge Systematics, Inc. ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2014-12 (NJ-2015-001), 26 pp.

<http://www.state.nj.us/transportation/refdata/research/reports/NJ-2015-001.pdf> ;

<http://www.state.nj.us/transportation/refdata/research/reports/NJ-2015-001-TB.pdf> - Technical Brief

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Aviation

Airport Parking Garage Lighting Solutions /

Ronald R. Gibbons et al. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 124),

65 pp.

Alternative IT Delivery Methods and Best Practices for Small Airports /

Barich, Inc. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 128), 113 pp.

<http://www.trb.org/Publications/Blurbs/172180.aspx>

Balancing Airport Stormwater and Bird Hazard Management /

Kim Allerton et al. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 125), 46 pp.,

with CD-ROM <http://www.trb.org/Publications/Blurbs/172035.aspx>

Estimating Takeoff Thrust Settings for Airport Emissions Inventories [DVD] /

Airport Cooperative Research Program (ACRP) -- Washington, DC : Transportation Research Board, 2015 (Pub. No. CRP-CD-161), 1 DVD - includes TTREAT tool, Practioner Guidebook, and Final Technical Report

Evaluating Methods for Counting Aircraft Operations at Non-Towered Airports /

Maria J. Muia and Mary E. Johnson -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 129), various pagings <http://www.trb.org/Publications/Blurbs/172335.aspx>

A Guide for Compliance with Grant Agreement Obligations to Provide Reasonable Access to an AIP-Funded Public Use General Aviation Airport /

Kaplan Kirsch and Rockwell LLP and Aviation Management Consulting Group, Inc. -- Washington, DC : Transportation Research Board, 2015-02 (Legal Research Digest 23), various pagings

A Guidebook for Airport Winter Operations /

Robert McGormley et al. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 123), 126 pp. <http://www.trb.org/Publications/Blurbs/171976.aspx>

A Guidebook for Increasing Diverse and Small Business Participation in Airport Business Opportunities /

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A Guidebook for Mitigating Disruptive WiFi Interference at Airports /

Michael Carroll et al. -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 127), 98 pp. <http://www.trb.org/Publications/Blurbs/172272.aspx>

Innovative Airport Responses to Threatened and Endangered Species /

Julie Sullivan -- Washington, DC : Transportation Research Board, 2015 (ACRP Report 122), 51 pp., includes CD-ROM <http://www.trb.org/Publications/Blurbs/171975.aspx>

Synthesis of Information Related to Airport Practices /

Airport Cooperative Research Program -- Washington, DC : Transportation Research Board, 2015-01 (Research Results Digest 22), 8 pp.

Bicycles and Pedestrians

Bicycles and Motorcycles 2014 /

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2468), 146 pp.

Evaluation of Bicyclists Exposure to Traffic-Related Air Pollution Along Distinct Facility Types - Draft Final Report /

James Pankow, Miguel Figliozzi, and Alexander Bigazzi -- Portland, OR : Portland State University ; National Institute for Transportation and Communities (NITC), 2014-12 (NITC-RR-560), 97 pp. http://ppms.otrec.us/media/project_files/NITC-RR-560.pdf

Guidebook on Pedestrian and Bicycle Volume Data Collection /

Paul Ryus et al. -- Washington, DC : Transportation Research Board, 2014 (NCHRP Report 797), 139 pp.
<http://www.trb.org/Publications/Blurbs/171973.aspx>

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Bridges and Structures

Bridge Engineering Handbook - Second Edition: Construction and Maintenance /

Wai-Fah Chen and Lian Duan, editors -- 2nd edition -- Boca Raton : CRC Press, 2014, Volume 5 of 5

Bridge Engineering Handbook - Second Edition: Fundamentals /

Wai-Fah Chen and Lian Duan, editors -- 2nd edition -- Boca Raton : CRC Press, 2014, Volume 1 of 5

Bridge Engineering Handbook - Second Edition: Seismic Design /

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Bridge Engineering Handbook - Second Edition: Substructure Design /

Wai-Fah Chen and Lian Duan, editors -- 2nd edition -- Boca Raton : CRC Press, 2014, Volume 3 of 5

Bridge Engineering Handbook - Second Edition: Superstructure Design /

Wai-Fah Chen and Lian Duan, editors -- 2nd edition -- Boca Raton : CRC Press, 2014, Volume 2 of 5

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Michel Ghosn et al. -- Washington, DC : Transportation Research Board, 2104 (NCHRP Report 776), 118 pp.; appendices online only <http://www.trb.org/Main/Blurbs/170901.aspx>

Cracking Behavior of Structural Slab Bridge Decks /

Anil Patnaik and Prince Baah -- Akron, OH : University of Akron ; Columbus, OH : Ohio Dept. of Transportation, 2015-01 (FHWA/ OH-2015/4), 228 pp.
http://www.dot.state.oh.us/Divisions/Planning/SPR/Research/reportsandplans/Reports/2015/Structures/134708_FR.pdf

Evaluation and Analysis of Decked Bulb T Beam Bridges /

Nabil F. Grace, Mena Bebawy, and Marc Kasabasic -- Southfield, MI : Lawrence Technological University, Dept. of Civil Engineering, Center for Innovative Material Research (CIMR) ; Lansing, MI : Michigan Dept. of Transportation, Construction and Technology Division, 2015-03 (RC-1620), 236 pp., in 3 .pdf files http://www.michigan.gov/mdot/0,4616,7-151-9622_11045_24249_24251-347552--,00.html

The George Washington Bridge: Poetry in Steel /

Michael Aaron Rockland -- New Brunswick, NJ : Rivergate Books, 2008, 184 pp.

Guide Specification for Application of Coating Systems with Zinc-Rich Primers to Steel Bridges /

AASHTO/NSBA Steel Bridge Collaboration and SSPC: The Society for Protective Coatings -- Washington, DC : AASHTO, NSBA, SSPC, 2014 (S 8.1 - 2014 ; SSPC-PA Guide 13), 34 pp.

Guide Specifications for Seismic Isolation Design - 4th Edition /

American Association of State Highway and Transportation Officials, Highways Subcommittee on Bridges and Structures 2012 -- 4th edition -- Washington, DC : AASHTO, 2014, 471 pp.

Long-Term Bridge Performance High Priority Bridge Performance Issues /

Michael C. Brown et al. -- Piscataway, NJ : Rutgers, The State University of New Jersey, Center for Advanced Infrastructure and Transportation ; McLean, VA : Federal Highway Administration, Office of Infrastructure Research and Development, 2014-10 (FHWA-HRT-14-052), 98 pp.

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<http://www.mountain-plains.org/pubs/pdf/MPC14-273.pdf>

Construction

Modulus-Based Construction Specification for Compaction of Earthwork and Unbound Aggregate /

National Cooperative Highway Research Program -- Washington, DC : Transportation Research Board, 2015-01 (Research Results Digest 391), 18 pp. <http://www.trb.org/Main/Blurbs/172045.aspx>
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http://onlinepubs.trb.org/onlinepubs/nchrp/docs/NCHRP10-84_FR_Appendices.pdf - Appendices A-L

Steel Construction Manual - 14th Edition /

American Institute of Steel Construction -- 14th edition -- Chicago : AISC, 2011, various pagings

Energy and Environment

Air Quality 2014 - Volume 1 /

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2427), 92 pp.

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Staying Connected in the Northern Appalachians: Mitigating Fragmentation & Climate Change Impacts on Wildlife Through Functional Habitat Linkages: Final Performance Report - Summary /

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Qizhong (George) Guo and Jung Hoon Kim -- Piscataway, NJ : Rutgers, The State University of New Jersey, Dept. of Civil & Environmental Engineering and Center for Advanced Infrastructure & Transportation (CAIT) ; Trenton, NJ : New Jersey Dept. of Transportation, 2013-12 (FHWA-NJ-2014-010), 205 pp.
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2014-010.pdf> ;
<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2014-010-TB.pdf>

Freight / Goods Movement

Freight Systems 2014 - Volume 2: Urban Freight, Hazardous Materials, and Trucking /

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2411), 126 pp.

Geotechnical

Soil Mechanics 2014 /

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Visualization of Geotechnical Data for Hazard Mitigation and Disaster Response /

Hollie L. Ellis and Mark J. Vessely -- Washington, DC : Transportation Research Board, 2015 (NCHRP Synthesis 467), 89 pp. <http://www.trb.org/Main/Blurbs/172036.aspx>

Highway Design

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Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2436), 166 pp.

Information Management

Data Systems and Asset Management Including: 2014 Thomas B. Deen Distinguished Lecture /

Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2460), 185 pp.

Marine / Waterways

Channel Usage Research and Analysis /

Brian ten Siethoff and Christopher Titze -- New York : Cambridge Systematics, Inc. ; Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Research, 2015-02 (NJ-2015-002), 28 pp.
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<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2015-001.pdf> ;

<http://www.state.nj.us/transportation/refdata/research/reports/FHWA-NJ-2015-001-TB.pdf> - Technical Brief

Materials

Alkali-Silica Reaction Mechanisms and Detection: An Advanced Understanding [TechBrief] /

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Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2444), 162 pp.

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Yuko J. Nakanishi and Pierre M. Auza -- Washington, DC : Transportation Research Board, 2015 (NCHRP Synthesis 468), 184 pp. <http://www.trb.org/Main/Blurbs/172182.aspx>

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Kathryn A. Zimmerman -- Washington, DC : Transportation Research Board, 2015 (NCHRP Synthesis 470), 43 pp.; appendices available online only <http://www.trb.org/Main/Blurbs/172148.aspx>

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NJDOT Greenhouse Gas Emission Calculator for Maintenance Projects, 2013 - User Manual /

New Jersey Department of Transportation -- Trenton, NJ : NJDOT, 2013, 62 pp.

Pavements

Best Practices for Crack Treatments for Asphalt Pavements /

Dale S. Decker -- Washington, DC : Transportation Research Board, 2014 (NCHRP Report 784), 37 pp. <http://www.trb.org/Publications/Blurbs/171266.aspx>

Classification of Features of Pavement Profiles Using Empirical Mode Decomposition [TechBrief] /

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Todd Litman -- Victoria, BC : Victoria Transport Policy Institute ; London : London School of Economics and Political Science, LCE Cities ; Global Commission on the Economy and Climate, New Climate Economy Cities Program, 2015-03, 89 pp.

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AASHTO Census Transportation Planning Products Program (CTPP) -- Washington, DC : American Association of State Highway and Transportation Officials, 2015-01, 18 pp.

<http://traveltrends.transportation.org/Pages/default.aspx>

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The Nature and Pattern of Jobs /**

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Executive Summary /**

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Connecting Low-Income People to Opportunity with Shared Mobility /

Michael Kodransky and Gabriel Lewenstein -- New York : Institute for Transportation & Development Policy ; Living Cities, 2014-12, 41 pp.
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Transportation Research Board -- Washington, DC : TRB, 2014 (Transportation Research Record No. 2466), 161 pp.

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AECOM and Group Melvin Design -- Draft -- Philadelphia : Delaware Valley Regional Planning Commission ; Mount Holly, NJ : Burlington County, Dept. of Economic Development and Regional Planning, 2010-06, 83 pp. <http://rt38smartgrowth.org/>

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Lee W. Munnich, Jr. et al. -- Minneapolis, MN : University of Minnesota, Humphrey School of Public Affairs ; St. Paul, MN : Minnesota Dept. of Transportation, Research Services and Library, 2015-01 (MN/RC 2015-02), 105 pp. <http://www.dot.state.mn.us/research/TS/2015/201502.pdf>

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Buy America Requirements for Federally Funded Rail Projects /

Timothy R. Wyatt -- Washington, DC : Transportation Research Board, National Cooperative Rail Research Program, 2015-02 (Legal Research Digest 1), 75 pp.

Materials with Improved Absorption of Collision Forces for Railroad Cars /

Afsaneh Rabiei -- Raleigh, NC : North Carolina State University ; Washington, DC : Transportation Research Board, 2014-11 (Safety IDEA Project 20), 41 pp. <http://onlinepubs.trb.org/onlinepubs/IDEA/FinalReports/Safety/S20FinalReport.pdf>

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Pocket Guide to Transportation, 2015 /

Bureau of Transportation Statistics -- Washington, DC : U.S. Dept. of Transportation, Research and Innovative Technology Administration, 2015-01, 54 pp.

Straight Line Diagrams 2014 [Electronic] /

New Jersey Department of Transportation, Bureau of Transportation Data and Safety -- Trenton, NJ : NJDOT, 2014, multiple PDFs http://www.state.nj.us/transportation/refdata/sldiag/_Booklet.pdf

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